RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: ______

Source:

Date Processed by STIC:

ENTERED



IFWP

RAW SEQUENCE LISTING DATE: 05/09/2006
PATENT APPLICATION: US/10/577,268 TIME: 11:13:46

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05092006\J577268.raw

```
3 <110> APPLICANT: INTERNATIONAL INSTITUTE OF MOLECULAR AND CELL BIOLOGY IN WARSAW
              DEPARTMENT OF BIOGENIC AMINES, POLISH ACADEMY OF SCIENCES
      5
              NOFER INSTITUTE OF OCCUPATIONAL MEDICINE & WHO/COLLABORATING CENTRE
      6
              NORWEGIAN INSTITUTE OF PUBLIC HEALTH, DIVISION OF ENVIRONMENTAL MEDICINE
      7
              NATIONAL INSTITUTE OF PUBLIC HEALTH AND THE ENVIRONMENT, LABORATORY FOR
      8
              PATHOLOGY AND IMMUNOBIOLOGY
      9
              ULLERAS, Erik
    10
              Nilsson, Gunnar
    11
              RINGERIKE, Tove
              VANDEBRIEL, Robert Jan
    12
    13
              WALCZAK-DRZEWIECKA, Aurelia
    14
              AL-NEDAWI, Khalid
    15
              WYCZOKOWSKA, Janina
    16
              STEPNIK, Maciej
    17
             ARKUSZ, Joanna
    18
              RYDZYNSKI, Konrad
    19
              ADAMCZEWSKA, Violetta
              TRZASKA, Dominika
    2.0
              OLSZEWSKI, Maciej
    21
    22
              BIAEK-WYRZYKOWSKA, Urszula
    23
              DASTYCH, Jarosaw
             LOVIK , Martinus
    26 <120> TITLE OF INVENTION: Cells and methods useful in characterising the immunotoxic
activity of
              xenobiotic substances
    29 <130> FILE REFERENCE: PZ/033/RW/PCT
C--> 31 <140> CURRENT APPLICATION NUMBER: US/10/577,268
C--> 31 <141> CURRENT FILING DATE: 2006-04-26
     31 <160> NUMBER OF SEQ ID NOS: 40
    33 <170> SOFTWARE: PatentIn version 3.1
    35 <210> SEQ ID NO: 1
    36 <211> LENGTH: 4994
    37 <212> TYPE: DNA
    38 <213> ORGANISM: Artificial Sequence
    40 <220> FEATURE:
    41 <223 > OTHER INFORMATION: pCA-EGFP-F
    43 <400> SEQUENCE: 1
    44 taatagtaat caattacggg gtcattagtt catagcccat atatggagtt ccgcgttaca
                                                                               60
    46 taacttacgg taaatggccc gcctggctga ccgcccaacg acccccgccc attgacgtca
                                                                              120
    48 ataatgacgt atgttcccat agtaacgcca atagggactt tccattgacg tcaatgggtg
                                                                              180
    50 gactatttac ggtaaactgc ccacttggca gtacatcaag tgtatcatat gccaagtacg
                                                                              240
    52 ccccctattg acgtcaatga cggtaaatgg cccgcctggc attatgccca gtacatgacc
                                                                              300
    54 ttatgggact ttcctacttg gcagtacatc tacgtattag tcatcgctat taccatgcat
                                                                              360
```

56 gqtcgaggtg agccccacqt tctgcttcac tctccccatc tccccccct ccccacccc

420

 RAW SEQUENCE LISTING
 DATE: 05/09/2006

 PATENT APPLICATION:
 US/10/577,268
 TIME: 11:13:46

Input Set : A:\PTO.RJ.txt

5.8	aattttotat	ttatttattt	tttaattatt	ttgtgcagcg	atagagagaga	aaaaaaaaaa	480
				cgaggggcgg			540
				ccgaaagttt			600
				gcggcgggcg			660
				cacaccacc			720
				gcccttctcc			780
				ggagctgttc			840
				caagttcagc			900
				gttcatctgc			960
				ctacggcgtg			1020
				gtccgccatg			1020
				ctacaagacc			1140
							1200
				gaagggcatc			1260
				caacagccac			1320
				caagatccgc			1380
				cacccccatc			1440
				cgccctgagc			1500
				cgccgccggg			1560
				gaaccctcct			1620
				atccagatct			1620
				caccggatct			1740
						tccccctgaa	1800
						cttataatgg cactgcattc	1860
					_	_	1920
						a agcgttaata	1920
						caataggccg	2040
						g agtgttgttc	2100
						a gggcgaaaaa	2160
						tttttggggt	2220
					-	agagettgae	2280
						a gegggegeta	2340
						c gcgcttaatg	2400
						acccctattt	2460
			•			ccctgataaa	2520
						tgtggaatgt tgcaaagcat	2580
							2640
						g caggcagaag	2700
						ctccgcccat	2760
						taatttttt	2820
						agtgaggagg ggatcgtttc	2880
							2940
						g gagaggctat g ttccggctgt	3000
						ctgaatgaac	3060 3120
						tgcgcagctg	
						gtgccggggc	3180
						g gctgatgcaa	3240
						gcgaaacatc	3300
154	gcatcgagcg	, agcacgtact	. cggatggaag	g ccggtcttgt	cgatcaggat	gatctggacg	3360

RAW SEQUENCE LISTING DATE: 05/09/2006 PATENT APPLICATION: US/10/577,268 TIME: 11:13:46

Input Set : A:\PTO.RJ.txt

156 aagagcatca ggggctcgcg ccagccgaac tgttcgccag gctcaaggcg agea 158 acggcgagga tctcgtcgtg acccatggcg atgcctgctt gccgaatatc atgc 160 atggccgctt ttctggattc atcgactgtg gccggctggg tgtgggcggac cgct 162 acatagcgtt ggctacccgt gatattgctg aagagcttgg cggcgaatgg gctg 164 tcctcgtgct ttacggtatc gccgctcccg attcgcagcg catcgccttc tatc 166 ttgacgagtt cttctgagcg ggactctggg gttcgaaatg accgaccaag cgac 168 cctgccatca cgagatttcg attccaccgc cgccttctat gaaaggttgg gctt 170 cgttttccgg gacgccggct ggatgatcct ccagcgcggg gatctcatgc tgga 172 cgccaccct agggggaggc taactgaaac acggaaggag acaataccgg aagg 174 cgctatgacg gcaataaaaa gacagaataa aacgcacggt gttgggtcgt ttgt	gtggaaa 3480 satcagg 3540 gaccgct 3600 ggccttc 3660 ggcccaa 3720 ccggaat 3780
160 atggccgctt ttctggattc atcgactgtg gccggctggg tgtggcggac cgct 162 acatagcgtt ggctacccgt gatattgctg aagagcttgg cggcgaatgg gctg 164 tcctcgtgct ttacggtatc gccgctcccg attcgcagcg catcgccttc tatc 166 ttgacgagtt cttctgagcg ggactctggg gttcgaaatg accgaccaag cgac 168 cctgccatca cgagatttcg attccaccgc cgccttctat gaaaggttgg gctt 170 cgttttccgg gacgccggct ggatgatcct ccagcgcggg gatctcatgc tgga 172 cgccaccct agggggaggc taactgaaac acggaaggag acaataccgg aagg 174 cgctatgacg gcaataaaaa gacagaataa aacgcacggt gttgggtcgt ttgt	tatcagg 3540 gaccgct 3600 egccttc 3660 egcccaa 3720 ecggaat 3780
160 atggccgctt ttctggattc atcgactgtg gccggctggg tgtggcggac cgct 162 acatagcgtt ggctacccgt gatattgctg aagagcttgg cggcgaatgg gctg 164 tcctcgtgct ttacggtatc gccgctcccg attcgcagcg catcgccttc tatc 166 ttgacgagtt cttctgagcg ggactctggg gttcgaaatg accgaccaag cgac 168 cctgccatca cgagatttcg attccaccgc cgccttctat gaaaggttgg gctt 170 cgttttccgg gacgccggct ggatgatcct ccagcgcggg gatctcatgc tgga 172 cgccaccct agggggaggc taactgaaac acggaaggag acaataccgg aagg 174 cgctatgacg gcaataaaaa gacagaataa aacgcacggt gttgggtcgt ttgt	tatcagg 3540 gaccgct 3600 egccttc 3660 egcccaa 3720 ecggaat 3780
162 acatagcgtt ggctacccgt gatattgctg aagagcttgg cggcgaatgg gctg 164 teetegtget ttacggtate geegeteeeg attegeageg categeette tate 166 ttgacgagtt ettetgageg ggaetetggg gttegaaatg acegaceaag egae 168 cetgecatea egagattteg attecacege egeettetat gaaaggttgg gett 170 egtttteegg gaegeegget ggatgateet eeagegeggg gateteatge tgga 172 egeeaceet agggggagge taactgaaac acggaaggag acaatacegg aagg 174 egetatgaeg geaataaaaa gaeagaataa aacgeaeggt gttgggtegt ttg	gaccgct 3600 egccttc 3660 egcccaa 3720 ecggaat 3780
164 teetegtget ttaeggtate geegeteeeg attegeageg categeette tate 166 ttgaegagtt ettetgageg ggaetetggg gttegaaatg acegaeeaag egae 168 cetgeeatea egagattteg atteeaeege egeettetat gaaaggttgg gett 170 egtttteegg gaegeegget ggatgateet eeagegeggg gateteatge tgga 172 egeeaeeet agggggagge taaetgaaae aeggaaggag acaatacegg aagg 174 egetatgaeg geaataaaaa gaeagaataa aaegeaeggt gttgggtegt ttgt	egectte 3660 egeceaa 3720 eeggaat 3780
166 ttgacgagtt cttctgagcg ggactctggg gttcgaaatg accgaccaag cgac 168 cctgccatca cgagatttcg attccaccgc cgccttctat gaaaggttgg gctt 170 cgttttccgg gacgccggct ggatgatcct ccagcgcggg gatctcatgc tgga 172 cgccaccct agggggaggc taactgaaac acggaaggag acaataccgg aagg 174 cgctatgacg gcaataaaaa gacagaataa aacgcacggt gttgggtcgt ttgt	cgcccaa 3720 cggaat 3780
168 cetgecatea egagattteg attecacege egeettetat gaaaggttgg gett 170 egtttteegg gaegeegget ggatgateet eeagegeggg gateteatge tgga 172 egeeaceet agggggagge taactgaaac aeggaaggag acaatacegg aagg 174 egetatgaeg geaataaaaa gaeagaataa aaegeaeggt gttgggtegt ttgt	cggaat 3780
170 cgttttccgg gacgccggct ggatgatcct ccagcgcggg gatctcatgc tgga 172 cgccaccct agggggaggc taactgaaac acggaaggag acaataccgg aagg 174 cgctatgacg gcaataaaaa gacagaataa aacgcacggt gttgggtcgt ttgt	
172 cgcccaccct agggggaggc taactgaaac acggaaggag acaataccgg aagg 174 cgctatgacg gcaataaaaa gacagaataa aacgcacggt gttgggtcgt ttgt	
174 cgctatgacg gcaataaaaa gacagaataa aacgcacggt gttgggtcgt ttgt	gaacccg 3900
176 acgcggggtt cggtcccagg gctggcactc tgtcgatacc ccaccgagac ccca	
178 ccaatacgcc cgcgtttctt ccttttcccc accccacccc	
180 agggctcgca gccaacgtcg gggcggcagg ccctgccata gcctcaggtt acto	
182 actttagatt gatttaaaac ttcatttta atttaaaagg atctaggtga agat	
184 tgataatctc atgaccaaaa tcccttaacg tgagttttcg ttccactgag cgtc	
186 cgtagaaaag atcaaaggat cttcttgaga tcctttttt ctgcgcgtaa tctg	
188 gcaaacaaaa aaaccaccgc taccagcggt ggtttgtttg ccggatcaag agct	
190 tettttteeg aaggtaactg getteageag agegeagata ccaaatactg teet	
192 gtagccgtag ttaggccacc acttcaagaa ctctgtagca ccgcctacat acct	
194 gctaatcctg ttaccagtgg ctgctgccag tggcgataag tcgtgtctta ccg	
196 ctcaagacga tagttaccgg ataaggcgca gcggtcgggc tgaacggggg gtto	
198 acagcccagc ttggagcgaa cgacctacac cgaactgaga tacctacagc gtga	
200 agaaagcgcc acgcttcccg aagggagaaa ggcggacagg tatccggtaa gcg	
202 cggaacagga gagcgcacga gggagcttcc agggggaaac gcctggtatc ttta	
204 tgtcgggttt cgccacctct gacttgagcg tcgatttttg tgatgctcgt cage	
206 gagcctatgg aaaaacgcca gcaacgcggc ctttttacgg ttcctggcct tttg	
208 ttttgctcac atgttctttc ctgcgttatc ccctgattct gtggataacc gtat	, ,,
	taccgc 4980
210 catgcattag ttat	taccgc 4980 4994
210 catgcattag ttat 213 <210> SEO ID NO: 2	3
213 <210> SEQ ID NO: 2	3
	3
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA	3
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050	3
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE:	3
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence	3
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-dlEGFP 221 <400> SEQUENCE: 2	4994
213 <210 > SEQ ID NO: 2 214 <211 > LENGTH: 5050 215 <212 > TYPE: DNA 216 <213 > ORGANISM: Artificial Sequence 218 <220 > FEATURE: 219 <223 > OTHER INFORMATION: pCA-d1EGFP 221 <400 > SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catagcccat atatggagtt ccgc	4994 cgttaca 60
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-d1EGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catagcccat atatggagtt ccgc 224 taacttacgg taaatggccc gcctggctga ccgcccaacg acccccgcc attg	4994 cgttaca 60 gacgtca 120
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-dlEGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catagcccat atatggagtt ccgc 224 taacttacgg taaatggccc gcctggctga ccgcccaacg acccccgcc attg 226 ataatgacgt atgttcccat agtaacgcca atagggactt tccattgacg tcaa	4994 cgttaca 60 gacgtca 120 atgggtg 180
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-dlEGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catageceat atatggagtt cege 224 taacttacgg taaatggeee geetggetga cegeecaacg accecegeee attg 226 ataatgacgt atgtteeeat agtaacgeea atagggactt tecattgacg teaa 228 gactatttac ggtaaactge ceacttggea gtacatcaag tgtatcatat geea	d994 cgttaca 60 gacgtca 120 atgggtg 180 aagtacg 240
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-dlEGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catageccat atatggagtt cege 224 taacttacgg taaatggcce geetggetga eegeecaacg accecegeee attg 226 ataatgacgt atgtteecat agtaacgcca atagggactt tecattgacg teaa 228 gactatttac ggtaaactge ceaettggea gtacatcaag tgtatcatat geea 230 ceeectattg acgteaatga eggtaaatgg eegeetgge attatgeea gtac	4994 egttaca 60 gacgtca 120 atgggtg 180 aagtacg 240 catgacc 300
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-dlEGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catageceat atatggagtt cege 224 taacttacgg taaatggeee geetggetga eegeecaacg accecegeee attg 226 ataatgacgt atgtteeeat agtaaegeea atagggaett tecattgaeg teaa 228 gactatttac ggtaaactge ceaettggea gtacatcaag tgtateatat geea 230 ceeectattg aegteaatga eggtaaatgg eegeetgge attatgeea gtac 232 ttatgggaet tteetaettg geagtacate taegtattag teategetat taeg 232 ttatgggaet tteetaettg geagtacate taegtattag teategetat taeg	egttaca 60 gacgtca 120 atgggtg 180 aagtacg 240 catgacc 300 catgcat 360
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-dlEGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catageceat atatggagtt cege 224 taacttacgg taaatggee geetggetga cegeeaacg accecegee attg 226 ataatgacgt atgtteecat agtaacgea atagggactt tecattgaeg teaa 228 gactattac ggtaaactge ceacttggea gtacatcaag tgtatcatat gees 230 cecectattg acgteaatga eggtaaatgg eeggeetgge attatgeeca gtac 231 taatgggact tteetacttg geagtacate tacgtattag teategetat tacg 232 taatggagtg ageeecacgt tetgetteac tetececate teececeet eege	egttaca 60 gacgtca 120 atgggtg 180 aagtacg 240 catgacc 300 catgcat 360 cacccc 420
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-dlEGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catagccat atatggagtt ccgc 224 taacttacgg taaatggccc gcctggctga ccgcccaacg acccccgcc attg 226 ataatgacgt atgttcccat agtaacgcca atagggactt tccattgacg tcaa 228 gactatttac ggtaaactgc ccacttggca gtacatcaag tgtatcatat gcca 230 ccccctattg acgtcaatga cggtaaatgg cccgcctggc attatgcca gtac 231 ttatgggact ttcctacttg gcagtacatc tacgtattag tcatcgctat tacg 232 ttatgggact agccccacgt tctgcttcac tctccccatc tccccccct cccc 233 aattttgtat ttatttattt tttaattatt ttgtgcagcg atgggggggggg	4994 cgttaca 60 gacgtca 120 atgggtg 180 aagtacg 240 catgacc 300 catgact 360 catgcat 360 cacccc 420 ggggggg 480
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-dlEGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catageceat atatggagtt cege 224 taacttacgg taaatggeee geetggetga eegeecaacg acceeegeee attg 226 ataatgacgt atgtteecat agtaacgeea atagggactt tecattgacg teaa 228 gactatttac ggtaaactge ecaettggea gtacatcaag tgtateatat geea 230 ecceetattg aegteaatga eggtaaatgg eegeetgge attatgeea gtac 231 tatgggact tteetacttg geagtacate taegtattag teategetat taeg 232 ttatggagtg ageeecaegt tetgetteae teteeceate teeceeecet eeg 233 ggtegaggtg ageeecaegt tetgetteae teteeceate teeceeecet eeg 234 ggtegaggtg eeggggggg egggggggg egggggggg gggggggg	agttaca 60 gacgtca 120 atgggtg 180 aagtacg 240 catgacc 300 catgcat 360 cacccc 420 ggggggg 480 ggagagg 540
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-dlEGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catagccat atatggagtt ccgc 224 taacttacgg taaatggccc gcctggctga ccgcccaacg acccccgcc attg 226 ataatgacgt atgttcccat agtaacgcca atagggactt tccattgacg tcaa 228 gactatttac ggtaaactgc ccacttggca gtacatcaag tgtatcatat gcca 230 ccccctattg acgtcaatga cggtaaatgg cccgcctggc attatgcca gtac 231 ttatgggact ttcctacttg gcagtacatc tacgtattag tcatcgctat tacg 232 ttatgggact ttcctacttg gcagtacatc tacgtattag tcatcgctat tacg 233 ggtcgaggtg agccccacgt tctgcttcac tctccccatc tccccccct cccc 234 ggtcgaggtg agccccacgt tctgcttcac tctccccatc tccccccct cccc 235 aattttgtat ttatttatt tttaattatt ttgtgcagcg ggcggggcgg	agttaca 60 gacgtca 120 atgggtg 180 aagtacg 240 catgacc 300 catgcat 360 cacccc 420 ggggggg 480 ggagagg 540 ggcggcg 600
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-d1EGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catagcccat atatggagtt ccgc 224 taacttacgg taaatggccc gcctggctga ccgcccaacg acccccgcc attg 226 ataatgacgt atgttcccat agtaacgcca atagggactt tccattgacg tcaa 228 gactatttac ggtaaactgc ccacttggca gtacatcaag tgtatcatat gcca 230 ccccctattg acgtcaatga cggtaaatgg cccgcctggc attatgcca gtac 231 tatgggact ttcctacttg gcagtacatc tacgtattag tcatcgctat tacc 232 ttatggact ttcctacttg gcagtacatc tacgtattag tcatcgctat tacc 233 ggtcgaggtg agccccacgt tctgcttcac tctccccatc tcccccccc cccc 234 ggtcgaggtg agccccacgt tctgcttcac tctccccatc tccccccct cccc 235 aattttgtat ttatttatt tttaattatt ttgtgcagcg ggcggggcgg	agttaca 60 gacgtca 120 atgggtg 180 aagtacg 240 catgacc 300 catgacc 420 gaggggg 480 gagagagg 540 ggcggcg 600 cgctgcc 660
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-dlEGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catagccat atatggagtt ccgc 224 taacttacgg taaatggccc gcctggctga ccgccaacg acccccgccc attg 226 ataatgacgt atgttcccat agtaacgca atagggactt tccattgacg tcaa 228 gactatttac ggtaaactgc ccacttggca gtacatcaag tgtatcatat gcca 230 cccctattg acgtcaatga cggtaaatgg cccgcctggc attatgcca gtaca 231 tatgggact ttcctacttg gcagtacatc tacgtattag tcatcgctat tacc 232 tattgggact ttcctacttg gcagtacatc tacgtattag tcatcgctat tacc 233 ggtcgaggtg agccccacgt tctgcttcac tctccccatc tccccccct cccc 234 ggtcgaggtg agccccacgt tctgcttcac tctccccatc tccccccct cccc 235 aattttgtat ttatttatt tttaattatt ttgtgcagcg ggcgggcgg ggcg 238 ggggcgcgc ccaggcgggg cggggcggg cgaggggcg ggcgggcg	4994 cgttaca 60 gacgtca 120 atgggtg 180 catgacc 300 catgacc 420 catgacc 420 gaggggg 480 gagaggg 540 ggcggcg 600 cgctgcc 660 ctgaccg 720
213 <210> SEQ ID NO: 2 214 <211> LENGTH: 5050 215 <212> TYPE: DNA 216 <213> ORGANISM: Artificial Sequence 218 <220> FEATURE: 219 <223> OTHER INFORMATION: pCA-d1EGFP 221 <400> SEQUENCE: 2 222 taatagtaat caattacggg gtcattagtt catagcccat atatggagtt ccgc 224 taacttacgg taaatggccc gcctggctga ccgcccaacg acccccgcc attg 226 ataatgacgt atgttcccat agtaacgcca atagggactt tccattgacg tcaa 228 gactatttac ggtaaactgc ccacttggca gtacatcaag tgtatcatat gcca 230 ccccctattg acgtcaatga cggtaaatgg cccgcctggc attatgcca gtac 231 tatgggact ttcctacttg gcagtacatc tacgtattag tcatcgctat tacc 232 ttatggact ttcctacttg gcagtacatc tacgtattag tcatcgctat tacc 233 ggtcgaggtg agccccacgt tctgcttcac tctccccatc tcccccccc cccc 234 ggtcgaggtg agccccacgt tctgcttcac tctccccatc tccccccct cccc 235 aattttgtat ttatttatt tttaattatt ttgtgcagcg ggcggggcgg	4994 egttaca 60 gacgtca 120 atgggtg 180 aagtacg 240 catgacc 300 catgcat 360 cacccc 420 ggggggg 480 ggagagg 540 ggcggcg 600 egctgcc 660 ctgaccg 720 tagcgct 780

RAW SEQUENCE LISTING DATE: 05/09/2006 PATENT APPLICATION: US/10/577,268 TIME: 11:13:46

Input Set : A:\PTO.RJ.txt

		gtcgccacca					900
		gagctggacg					960
254	cgagggcgat	gccacctacg	gcaagctgac	cctgaagttc	atctgcacca	ccggcaagct	1020
256	gcccgtgccc	tggcccaccc	tcgtgaccac	cctgacctac	ggcgtgcagt	gcttcagccg	1080
258	ctaccccgac	cacatgaagc	agcacgactt	cttcaagtcc	gccatgcccg	aaggctacgt	1140
260	ccaggagcgc	accatcttct	tcaaggacga	cggcaactac	aagacccgcg	ccgaggtgaa	1200
262	gttcgagggc	gacaccctgg	tgaaccgcat	cgagctgaag	ggcatcgact	tcaaggagga	1260
264	cggcaacatc	ctggggcaca	agctggagta	caactacaac	agccacaacg	tctatatcat	1320
266	ggccgacaag	cagaagaacg	gcatcaaggt	gaacttcaag	atccgccaca	acatcgagga	1380
268	cggcagcgtg	cagctcgccg	accactacca	gcagaacacc	cccatcggcg	acggccccgt	1440
270	gctgctgccc	gacaaccact	acctgagcac	ccagtccgcc	ctgagcaaag	accccaacga	1500
272	gaagcgcgat	cacatggtcc	tgctggagtt	cgtgaccgcc	gccgggatca	ctctcggcat	1560
274	ggacgagctg	tacaagaagc	ttagccatgg	cttcccgccg	gcggtggcgg	cgcaggatga	1620
276	tggcacgctg	cccatgtctt	gtgcccagga	gagcgggatg	gaccgtcacc	ctgcagcctg	1680
		aggatcaatg					1740
		tagaggtttt					1800
		tgaatgcaat					1860
		atagcatcac					1920
		ccaaactcat					1980
		gcgttaaatt					2040
		ccttataaat					2100
		agtccactat					2160
		gatggcccac					2220
		gcactaaatc					2280
		aacgtggcga					2340
		gtagcggtca					2400
		gcgtcaggtg					2460
		atacattcaa					2520
		tgaaaaagga					2580
		gtggaaagtc					2640
		cagcaaccag					2700
		atctcaatta					2760
		cgcccagttc					2820
		ccgaggccgc					2880
		taggcttttg					2940
		gatggattgc					3000
		gcacaacaga					3060
		ccggttcttt					3120
		gcgcggctat					3180
		actgaagcgg					3240
		tctcaccttg					3300
		acgcttgatc					3360
		cgtactcgga					3420
		ctcgcgccag					3480
		gtcgtgaccc					3540
		ggattcatcg					3600
		acccgtgata					3660
		ggtatcgccg					3720
		tgagcgggac					3780
240	caugicicic	cyaycyyyac	cccggggccc	Jadacgaccy	accaagegae	Secondered	5,00

RAW SEQUENCE LISTING DATE: 05/09/2006
PATENT APPLICATION: US/10/577,268 TIME: 11:13:46

Input Set : A:\PTO.RJ.txt

```
3840
348 ccatcacgag atttcgattc caccgccgcc ttctatgaaa ggttgggctt cggaatcgtt
                                                                         3900
350 ttccgggacg ccggctggat gatcctccag cgcggggatc tcatgctgga gttcttcgcc
352 caccetaggg ggaggetaae tgaaacaegg aaggagacaa taceggaagg aaccegeget
                                                                         3960
                                                                         4020
354 atgacggcaa taaaaagaca gaataaaacg cacggtgttg ggtcgtttgt tcataaacgc
                                                                         4080
356 ggggtteggt eccagggetg geactetgte gataceceae egagacecea ttggggeeaa
358 tacgcccgcg tttcttcctt ttccccaccc cacccccaa gttcgggtga aggcccaggg
                                                                         4140
360 ctcgcagcca acgtcggggc ggcaggccct gccatagcct caggttactc atatactt
                                                                         4200
                                                                         4260
362 tagattgatt taaaacttca tttttaattt aaaaggatct aggtgaagat cctttttgat
364 aatctcatga ccaaaatccc ttaacgtgag ttttcgttcc actgagcgtc agaccccgta
                                                                         4320
                                                                         4380
366 gaaaagatca aaggatette ttgagateet ttttttetge gegtaatetg etgettgeaa
368 acaaaaaac caccgctacc agcggtggtt tgtttgccgg atcaagagct accaactctt
                                                                         4440
                                                                         4500
370 tttccgaagg taactggctt cagcagagcg cagataccaa atactgtcct tctagtgtag
                                                                         4560
372 ccgtagttag gccaccactt caagaactct gtagcaccgc ctacatacct cgctctgcta
                                                                         4620
374 atcctgttac cagtggctgc tgccagtggc gataagtcgt gtcttaccgg gttggactca
                                                                         4680
376 agacqatagt taccggataa ggcgcagcgg tcgggctgaa cggggggttc gtgcacacag
378 cccagcttgg agcgaacgac ctacaccgaa ctgagatacc tacagcgtga gctatgagaa
                                                                         4740
                                                                         4800
380 agegecaege tteeegaagg gagaaaggeg gacaggtate eggtaagegg cagggtegga
                                                                         4860
382 acaggagage geacgaggga gettecaggg ggaaaegeet ggtatettta tagteetgte
                                                                         4920
384 gggtttegee acetetgaet tgagegtega tttttgtgat getegteagg ggggeggage
386 ctatggaaaa acgccagcaa cgcggccttt ttacggttcc tggccttttg ctggcctttt
                                                                         4980
388 gctcacatgt tettteetge gttatecect gattetgtgg ataacegtat tacegecatg
                                                                         5040
                                                                         5050
390 cattagttat
393 <210> SEQ ID NO: 3
394 <211> LENGTH: 4989
395 <212> TYPE: DNA
396 <213> ORGANISM: Artificial Sequence
398 <220> FEATURE:
399 <223> OTHER INFORMATION: p1-5'IL1beta/d1EGFP-N1
401 <400> SEQUENCE: 3
                                                                           60
402 taatqtgagt tagctcactc attaggcacc ccaggcttta cactttatgc ttccggctcg
                                                                          120
404 tatgttgtgt ggaattgtga geggataaca atttcacaca ggaaacaget atgaccatga
                                                                          180
406 ttacgccaag cttggtaccg agctcggatc cactagtaac ggccgccagt gtgctggaat
408 tcggcttaag tgcgtgtctc tccagaagcc cctgctaaca cagttgatgg agagcacaga
                                                                          240
                                                                          300
410 agcaccatcc agttaccaaa ctccaactgc aaagctccct cagcttaagc acaaggaggc
                                                                          360
412 gagagaggtg acacacttct gggtgtgcat ctacgtgcct acctttgttc cgcacatcct
                                                                          420
414 gacttaaaat gtacagctaa cccaggaaaa cccaatattt ttaatattga caccatctgc
                                                                          480
416 acaattgtcc agggggaaat aatgcccatt tccaccacga tgacacactt gcgaatgtgt
                                                                          540
418 cactatetge cacceettga ettecaggga ttagaaatta ttteagggta geaatageet
420 cttcccctaa gaattcccat caagcttctc ccccctcccc cacccttcag ttttgttgtg
                                                                          600
422 aaatcagtta acccaaggga aaatttcaca gctcttcact tctgcttttt aggactataa
                                                                          660
                                                                          720
424 aacaagggag ggaaaacaag ttggacaaca aaccetgcaa geegaattet geagatgeta
                                                                          780
426 ccggactcag atctcgagct caagcttcga attctgcagt cgacggtacc gcgggcccgg
                                                                          840
428 gatccaccgg tcgccaccat ggtgagcaag ggcgaggagc tgttcaccgg ggtggtgccc
                                                                          900
430 atcctggtcg agctggacgg cgacgtaaac ggccacaagt tcagcgtgtc cggcgagggc
                                                                          960
432 gagggcgatg ccacctacgg caagctgacc ctgaagttca tctgcaccac cggcaagctg
                                                                         1020
434 cccgtgccct ggcccaccct cgtgaccacc ctgacctacg gcgtgcagtg cttcagccgc
                                                                         1080
436 taccccgacc acatgaagca gcacgacttc ttcaagtccg ccatgcccga aggctacgtc
438 caggagegea ceatettett caaggaegae ggeaactaea agaeeegege egaggtgaag
                                                                         1140
440 ttcgagggcg acaccctggt gaaccgcatc gagctgaagg gcatcgactt caaggaggac
                                                                         1200
```

VERIFICATION SUMMARY

DATE: 05/09/2006

PATENT APPLICATION: US/10/577,268

TIME: 11:13:47

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05092006\J577268.raw

L:31 M:270 C: Current Application Number differs, Replaced Current Application No

L:31 M:271 C: Current Filing Date differs, Replaced Current Filing Date